

## APPENDIX 7. 1999 REFEREED PUBLICATIONS

### **Laboratory for Atmospheres**

Allen, D. R., M. R. Schoeberl, and J. R. Herman, 1999: Trajectory modeling of aerosol clouds observed by TOMS. *J. Geophys. Res.*, **104**, 27,461-27,471.

Atlas, D., C. W. Ulbrich, F. D. Marks, E. Amitai, and C. R. Williams, 1999: Systematic variation of drop size and radar-rainfall relations. *J. Geophys. Res.-Atmos.*, **104**, 6155-6169.

Grivet-Talocia, S., F. Einaudi, W. L. Clark, R. D. Dennett, G. D. Nastrom, and T. E. VanZandt, 1999: A 4-yr climatology of pressure disturbances using a barometer network in central Illinois. *Mon. Wea. Rev.*, **127**, 1613-1629.

### **Sounder Research Team**

Mehta, A., and J. Susskind, 1999: Outgoing longwave radiation from the TOVS Pathfinder A data set. *J. Geophys. Res.-Atmos.*, **104**, 12193-12212.

### **Data Assimilation Office**

Alpert, P., M. Tsidulko, and D. Itzigsohn, 1999: A shallow, short-lived meso-beta cyclone over the Gulf of Antalya, eastern Mediterranean. *Tellus Series A—Dynamic Meteor. and Oceano.*, **51**, 249-262.

Atlas, R., S. C. Bloom, R. N. Hoffman, E. Brin, J. Ardizzone, J. Terry, D. Bungato, and J. C. Jusem, 1999: Geophysical validation of NSCAT winds using atmospheric data and analyses. *J. Geophys. Res.*, **104**, 11405-11424.

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Chen, M. H., R. B. Rood, and W. G. Read, 1999: Seasonal variations of upper tropospheric water vapor and high clouds observed from satellites. *J. Geophys. Res.-Atmos.*, **104**, 6193-6197.

Chen, M. H., R. B. Rood, and J. Joiner, 1999: Assimilating TOVS humidity into the GEOS-2 data assimilation system. *J. Climate*, **12**, 2983-2995.

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- Dee, D. P. and A. M. da Silva, 1999: Maximum-likelihood estimation of forecast and observation error covariance parameters. Part I: Methodology. *Mon. Wea. Rev.*, **127**, 1822-1834.
- DelSole, T., and A. Y. Hou, 1999: Empirical correction of a dynamical model. Part I: Fundamental issues. *Mon. Wea. Rev.*, **127**, 2533-2545.
- DelSole, T., and A. Y. Hou, 1999: Empirical stochastic models for the dominant climate statistics of a general circulation model. *J. Atmos. Sci.*, **56**, 3436-3456.
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- Joiner, J. and L. Rokke, 1999: Variational cloud-clearing with TOVS data. *Quart. J. Meteor. Soc.*, **126**, 1-24.
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### Mesoscale Atmospheric Processes Branch

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- Anagnostou, E. A., and W. F. Krajewski, 1999: Real-time radar rainfall estimation: 1. Algorithm formulation. *J. Atmos. and Oceanic Tech.*, **16**, 189-197.
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## Atmospheric Experiment Branch

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